Hanqing Wang

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Research Interests

Vision-Language-Action (VLA) Models, Efficient LLM Adaptation, and LLM Agents.

Education

Shanghai University of Finance and Economics (SUFE) Shanghai, China
Ph.D. Candidate in Financial Information Engineering *Sep. 2022 – Jun. 2027 (expected)*
Advisor: Assoc. Prof. Yun Chen

Shanghai University of Finance and Economics (SUFE) Shanghai, China
Bachelor's Degree in Computer Science and Technology *Sep. 2018 – Jun. 2022*

Research Experience

JD Technology Beijing, China
Algorithm Intern (VLA & Embodied AI) *Jul. 2026 – Oct. 2026*

- Independently designed the physical dynamics module and its training pipeline, and contributed to VLA pretraining (**PDRVLA**, *arXiv 2026*); implemented geometric mapping, localization, and autonomous navigation on a Unitree Go2 embodied agent.

Tsinghua University NLP Lab (THUNLP) and Qiyuan Lab Beijing, China
Research Intern (Mentor: Shuo Wang) *Sep. 2023 – Jan. 2025*

- Investigated modular LLM adaptation and compression, co-leading token-level dynamic adapter fusion (**LoRA-Flow**, *ACL 2024*) and contributing to mixed-precision delta-weight compression (**Delta-CoMe**, *NeurIPS 2024*).

Publications

(* indicates equal contribution)

Preprints and Manuscripts Under Review

[1] **PDRVLA: A Vision-Language-Action Model with Physical Dynamics Representations**
Hanqing Wang*, Zhaotian Cai*, Ruichuan An*, Bohan Zeng*, Tao Zhang*, Yilin Chen*, Xu Jiang, Kaiquan Chen, Chongyang Wu, Haoran Li, Fan Yang, Mingan Lin, Wentao Zhang, Zenan Zhou, Youzheng Wu, and Xiaodong He.
arXiv preprint arXiv:2610.37381, 2026. [Paper] *(Hugging Face Daily Paper #2, Monthly Paper #4)*

[2] **XPD: Empowering Reasoning MLLMs via Cross-Modal Proxy Decoding**
Hanqing Wang, Yun Chen, Zeguan Xiao, Yan Yang, Xuetao Wei, Lili Yang, and Guanhua Chen.
Manuscript under review, 2026.

[3] **Perdura: Stateful Code Execution Harness for Long-Horizon Agents**
Haoyu Wang*, Zhen Wang*, Zhiyu Yang, **Hanqing Wang**, Kaichen Huang, Shuo Wang, and Bo An.
Manuscript under review, 2026.

Peer-Reviewed Conference Papers

[4] **Beyond Static Rules: Automated Discovery of Latent Vulnerabilities in Text-to-SQL**
Hanqing Wang*, Yongdong Chi*, Jian Yang, Lei Yang, Jiehui Zhao, Yun Chen, and Guanhua Chen.
Findings of ACL, 2026. [Paper] [Code]

[5] **Pi-SQL: Enhancing Text-to-SQL with Fine-Grained Guidance from Pivot Programming Languages**
Yongdong Chi*, **Hanqing Wang***, Yun Chen, Yan Yang, Jian Yang, Zonghan Yang, Xiao Yan, and Guanhua Chen.
Findings of EMNLP, 2025. [Paper] [Code]

[6] **MiLoRA: Harnessing Minor Singular Components for Parameter-Efficient LLM Finetuning**
Hanqing Wang, Yixia Li, Shuo Wang, Guanhua Chen, and Yun Chen.
NAACL, 2025. [Paper] [Code] *(150+ citations)*

[7] **MALoRA: Mixture of Asymmetric Low-Rank Adaptation for Enhanced Multi-Task Learning**
Xujia Wang, Haiyan Zhao, Shuo Wang, **Hanqing Wang**, and Zhiyuan Liu.
Findings of NAACL, 2025. [Paper]

[8] **Delta-CoMe: Training-Free Delta-Compression with Mixed-Precision for Large Language Models**
Bowen Ping*, Shuo Wang*, **Hanqing Wang**, Xu Han, Yuzhuang Xu, Yukun Yan, Yun Chen, Baobao Chang, Zhiyuan Liu, and Maosong Sun.
NeurIPS, 2024. [Paper] [Code]

[9] **LoRA-Flow: Dynamic LoRA Fusion for Large Language Models in Generative Tasks**
Hanqing Wang*, Bowen Ping*, Shuo Wang, Xu Han, Yun Chen, Zhiyuan Liu, and Maosong Sun.
ACL, 2024. [Paper] [Code]

[10] **StyleBART: Decorate Pretrained Model with Style Adapters for Unsupervised Stylistic Headline Generation**
Hanqing Wang*, Yajing Luo*, Boya Xiong, Guanhua Chen, and Yun Chen.
Findings of EMNLP, 2023. [Paper] [Code]

[11] **Multilingual Sentence Transformer as A Multilingual Word Aligner**
Weikang Wang*, Guanhua Chen*, **Hanqing Wang**, Yue Han, and Yun Chen.
Findings of EMNLP, 2022. [Paper]

Honors and Awards

Academic Star, Shanghai University of Finance and Economics *(5 recipients annually)*	Dec. 2025
National Scholarship for Doctoral Students, Ministry of Education of China	Sep. 2025
Honors Bachelor's Degree, Shanghai University of Finance and Economics	Jun. 2022
Outstanding Graduate, Shanghai University of Finance and Economics	Jun. 2022

Academic Service

Area Chair: ACL Rolling Review (ARR), Oct. 2026

Conference Reviewer: NeurIPS, ACL Rolling Review (ARR), AAAI, CCL